

HuMAb Binding to Hematopoietic cell lines

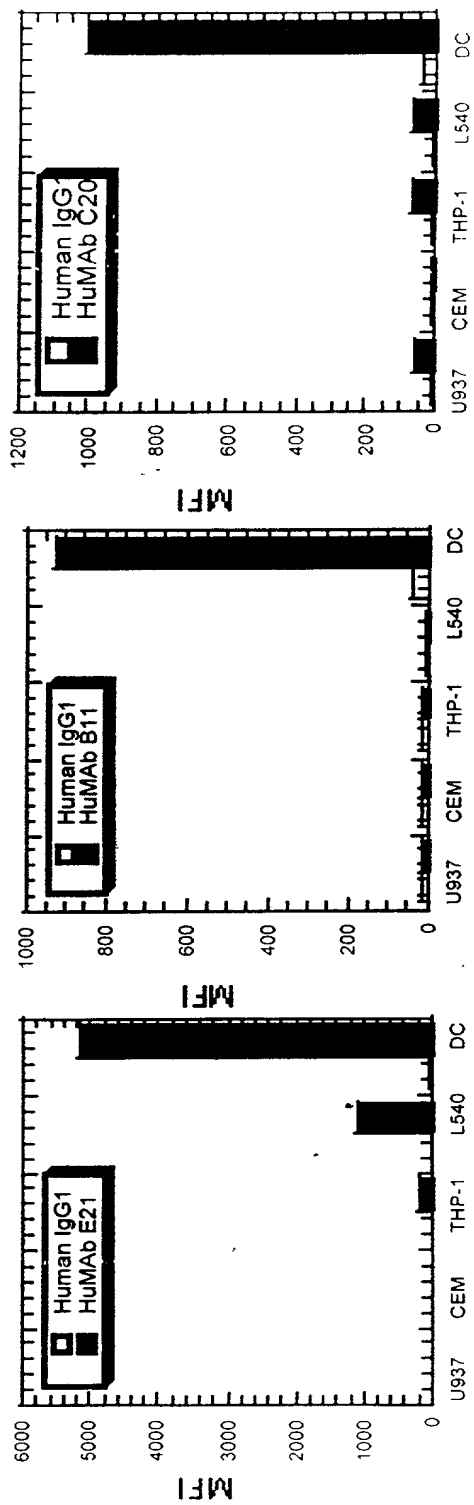


FIGURE 1

HuMAb Binding to dendritic cells

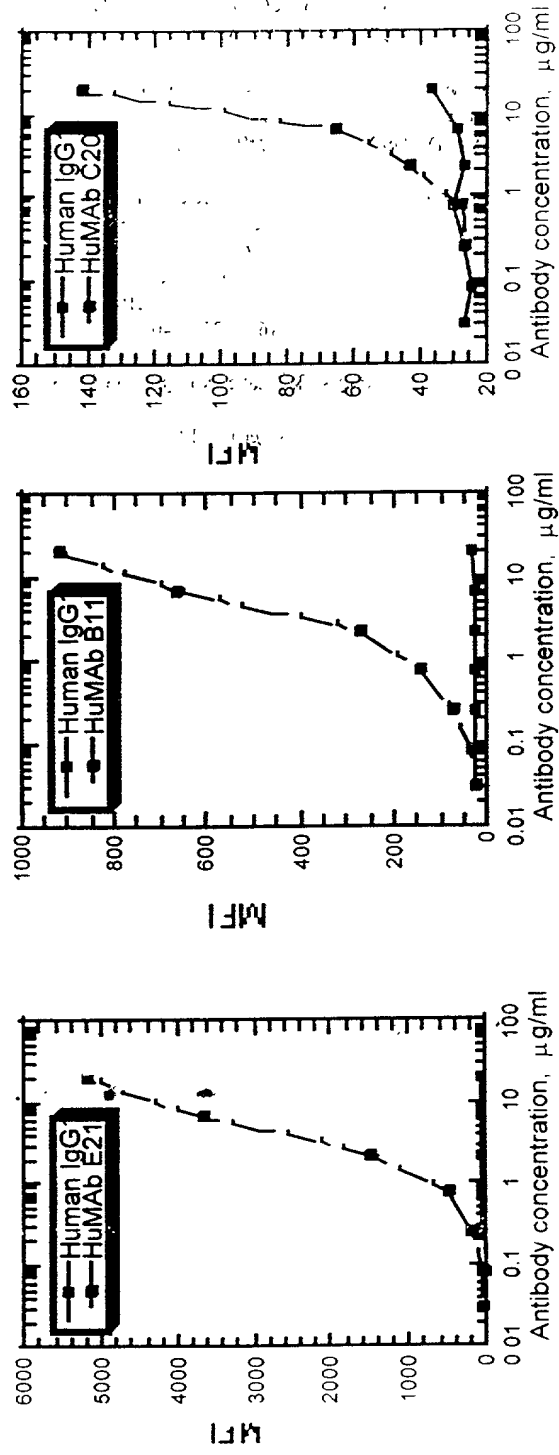


FIGURE 2

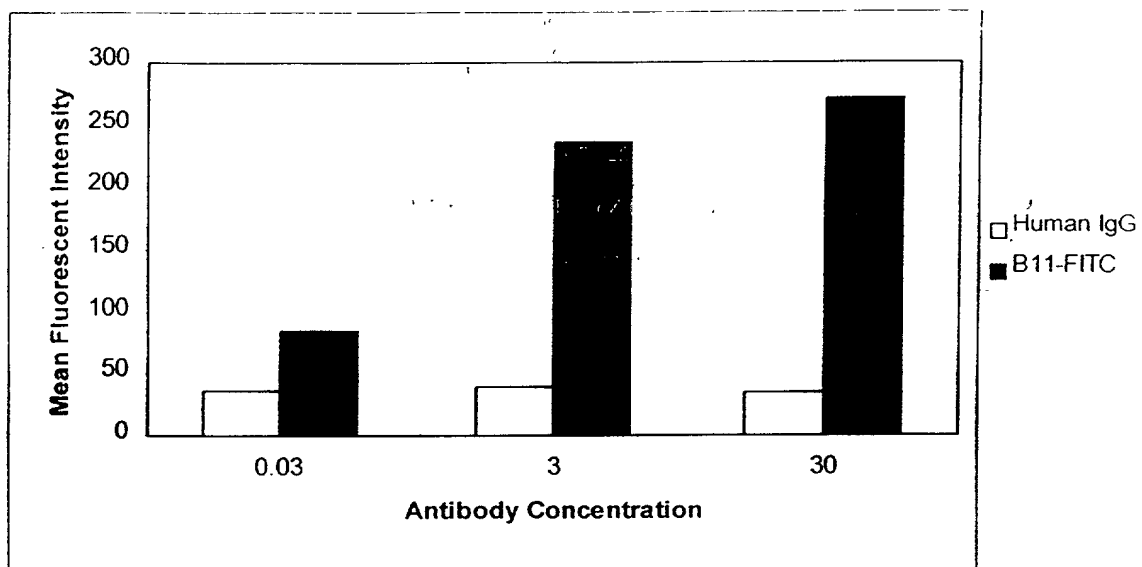


FIGURE 3

Macrophages

Dendritic Cells

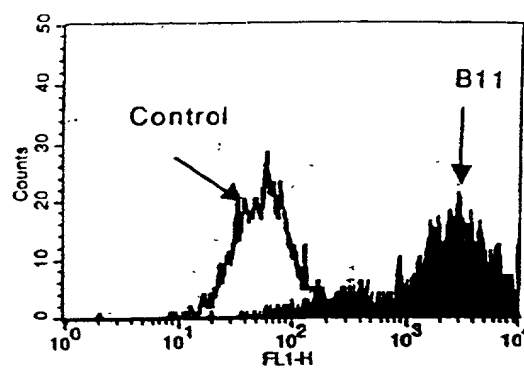
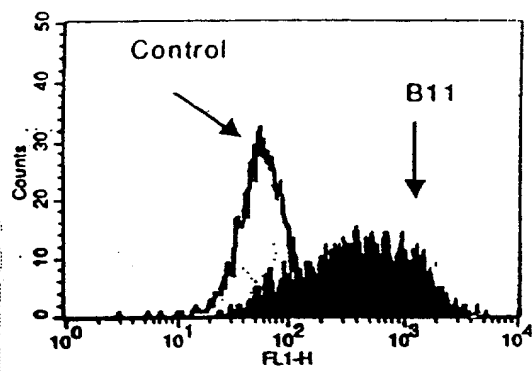


FIGURE 4

THP-1 Cells

THP-1 Cells Cultured
with GM-CSF and IL-4

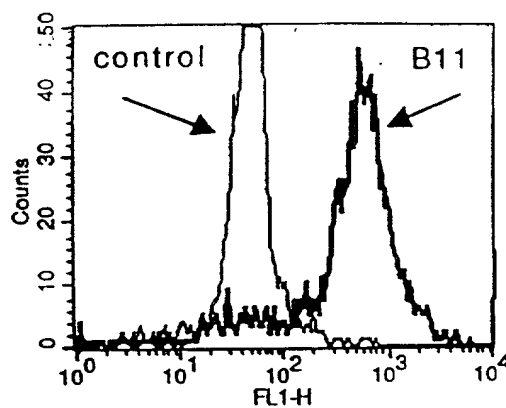
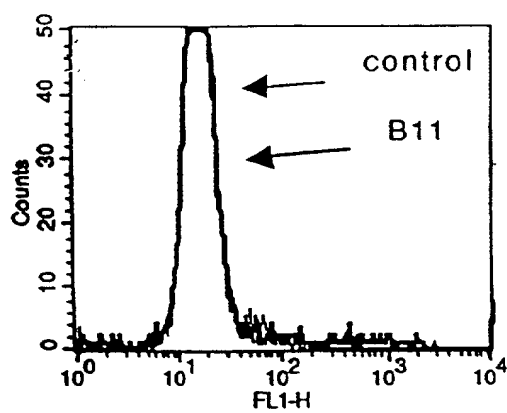


FIGURE 5

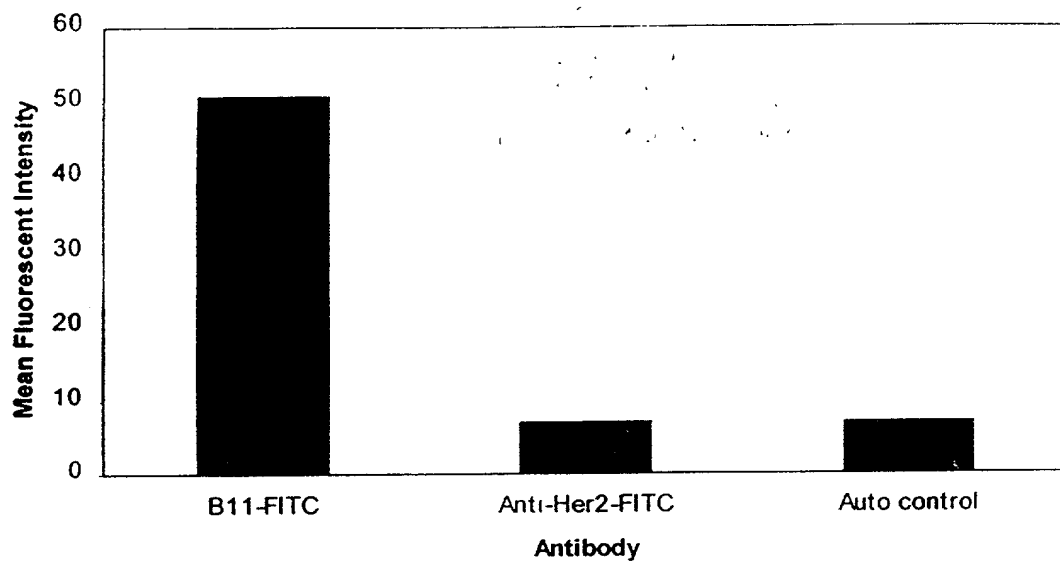


FIGURE 6

Figure 7 shows the effect of time on the internalization of B11 by dendritic cells. The data indicates that internalization increases over time, reaching a plateau around 120% after 150 minutes.

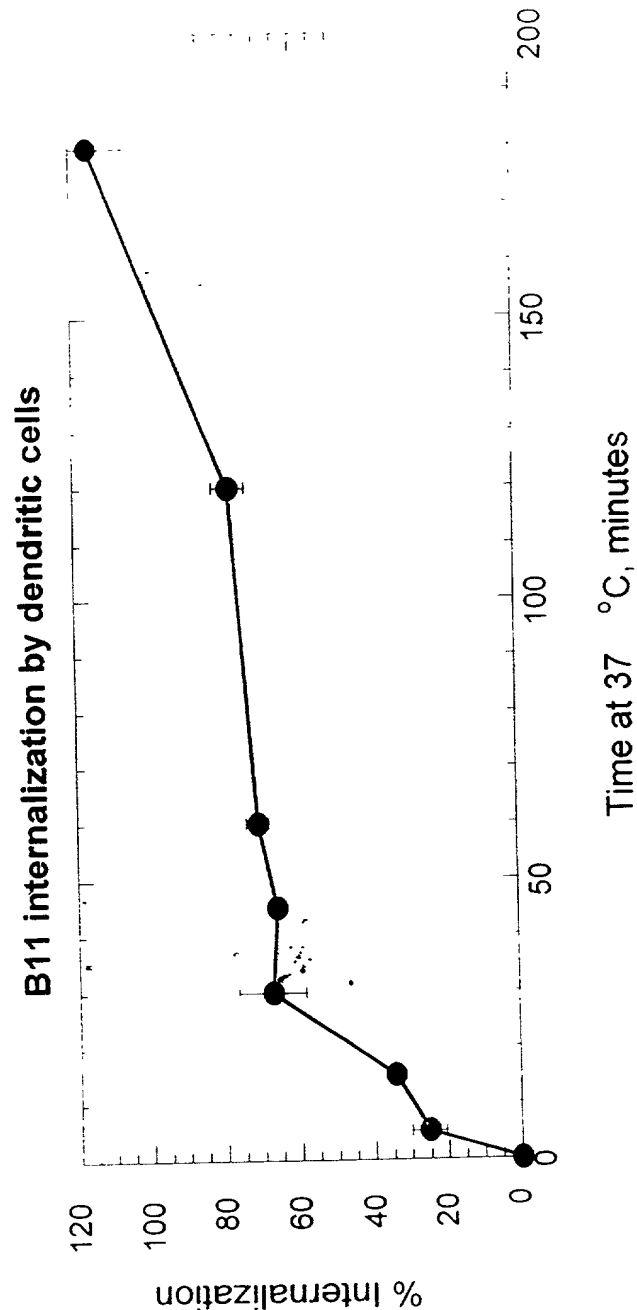


FIGURE 7

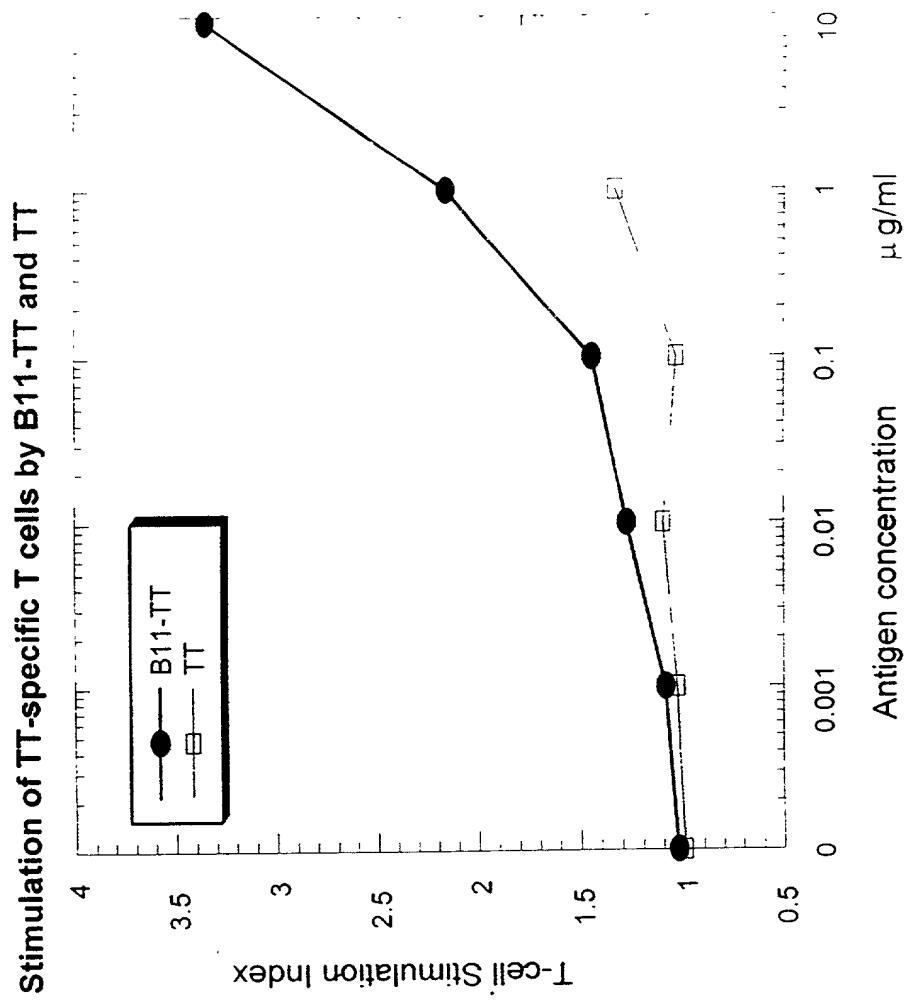


FIGURE 8

CMV, B11, leader, B11 V_L, linker, B11 V_H, EGF, BGH, PolyA

B11-ScFv construct map:

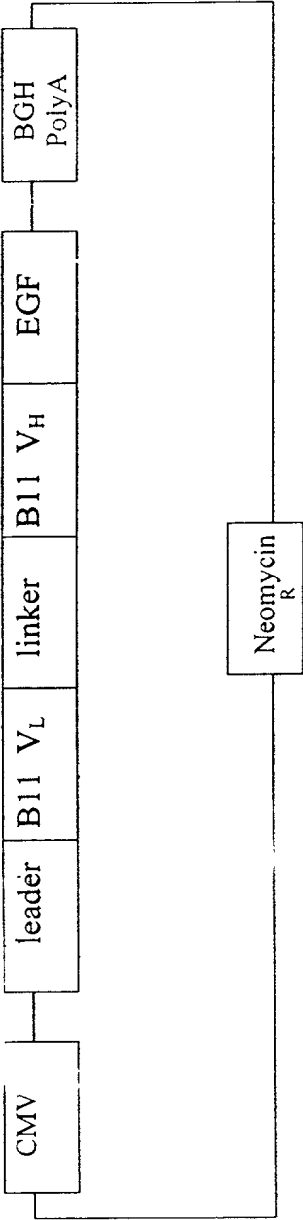


FIGURE 9

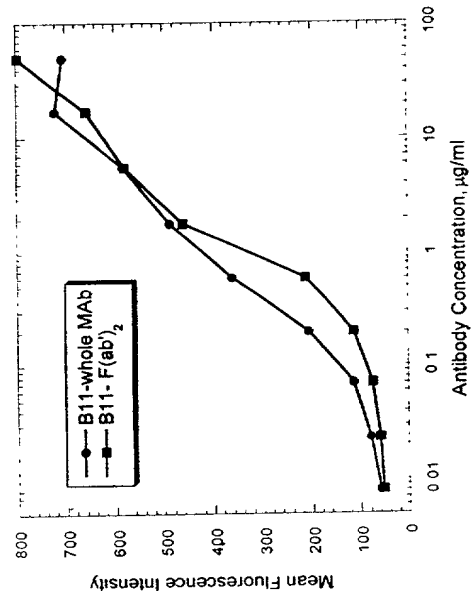


FIGURE 10

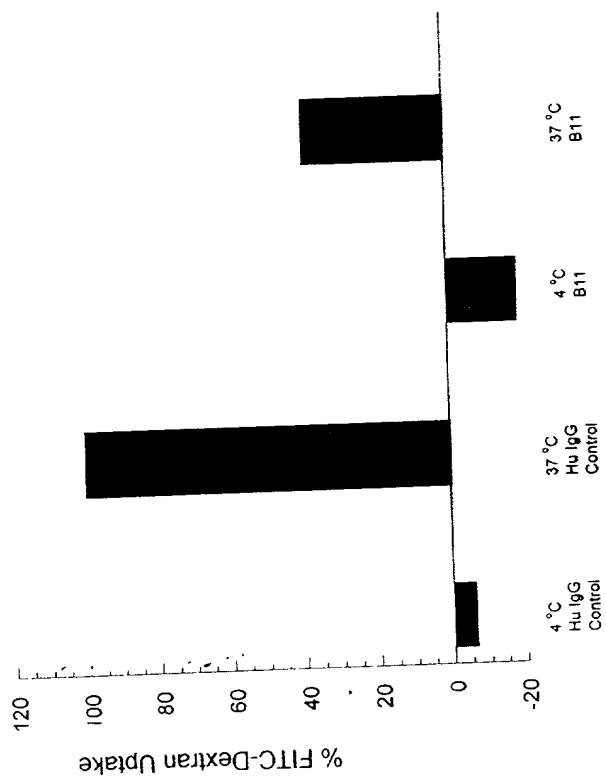


FIGURE 11

Enhanced antigen processing and presentation with B11-targeting

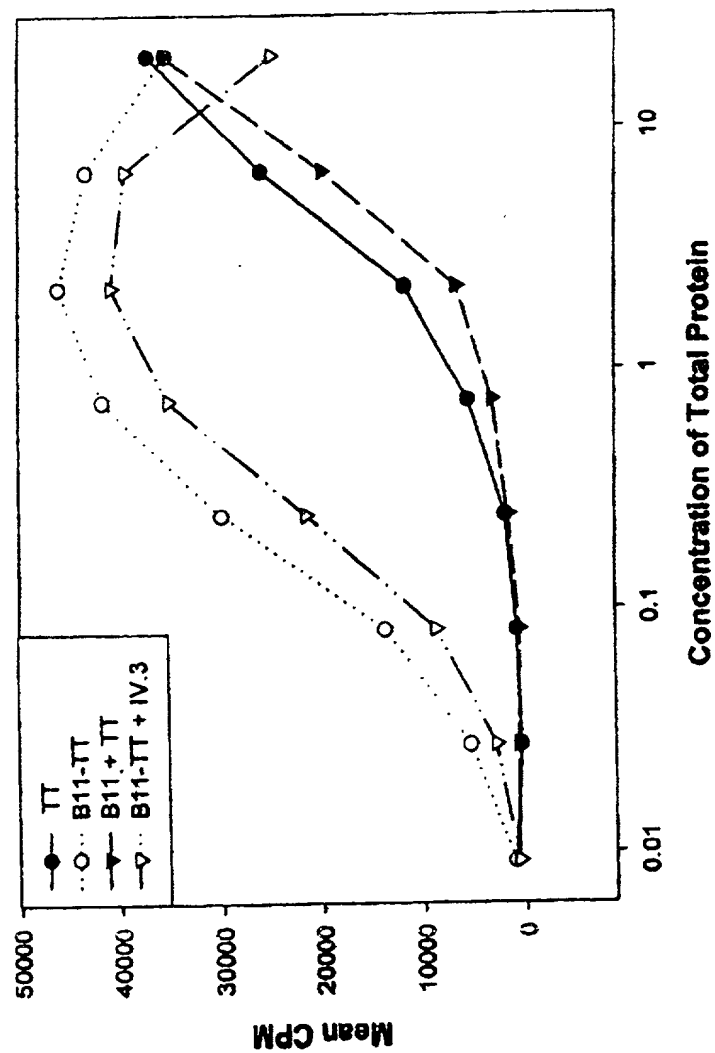


FIGURE 12

B11 HuMAb sequence data:

B11 VL DNA:

GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGAGACA
GAGTCACCATCACTTGTCGGGCGAGTCA
GGGTATTAGCAGGTGGTTAGCCTGGTATCAGCAGAAACCAGAGAAAGCCCCT
AAGTCCCTGATCTATGCTGCATCCAGTT
TGCAAAGTGGGGTCCCATCAAGGTTCAGCGGCAGTGGATCTGGGACAGATTT
CACTCTCACCATCAGCGGCCTGCAGCCT
GAAGATTTTGCAACTTATTACTGCCAACAGTATAATAGTTACCCTCGGACGTT
CGGCCAAGGGACCAAGGTGGAAATCAA
A

B11 VL protein:

DIQMTQSPSSLSASVGDRTITCRASQGISRWLA WYQQKPEKAPKSLIYAASSLQ
SGVPSRFSGSGSGTDFTLTISGLQP
EDFATYYCQQYNSYPRTFGQGTKVEIK

B11 VH DNA:

GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCT
CTGAGGATCTCCTGTAAGGGTTCTGGAGA
CAGTTTTACCACCTACTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGC
CTGGAGTGGATGGGGATCATCTATCCTG
GTGACTCTGATACCATATACAGCCCGTCCTTCCAAGGCCAGGTCACCATCTCA
GCCGACAAGTCCATCAGCACCGCCTAC
CTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATGTATTACTGTACGA
GAGGGGACCGGGGCGTTGACTACTGGGG
CCAGGGAACCCTGGTCACCGTCTCCTCA

B11 VH protein:

EVQLVQSGAEVKKPAGESLRISCKGSGDSFTTYWIGWVRQMPGKGLEWMGHIIYPG
DSDTIYSPSFQGQVTISADKSISTAY
LQWSSLKASDTAMYYCTRGDRGV^YWGQGLVTVSS

FIGURE 13

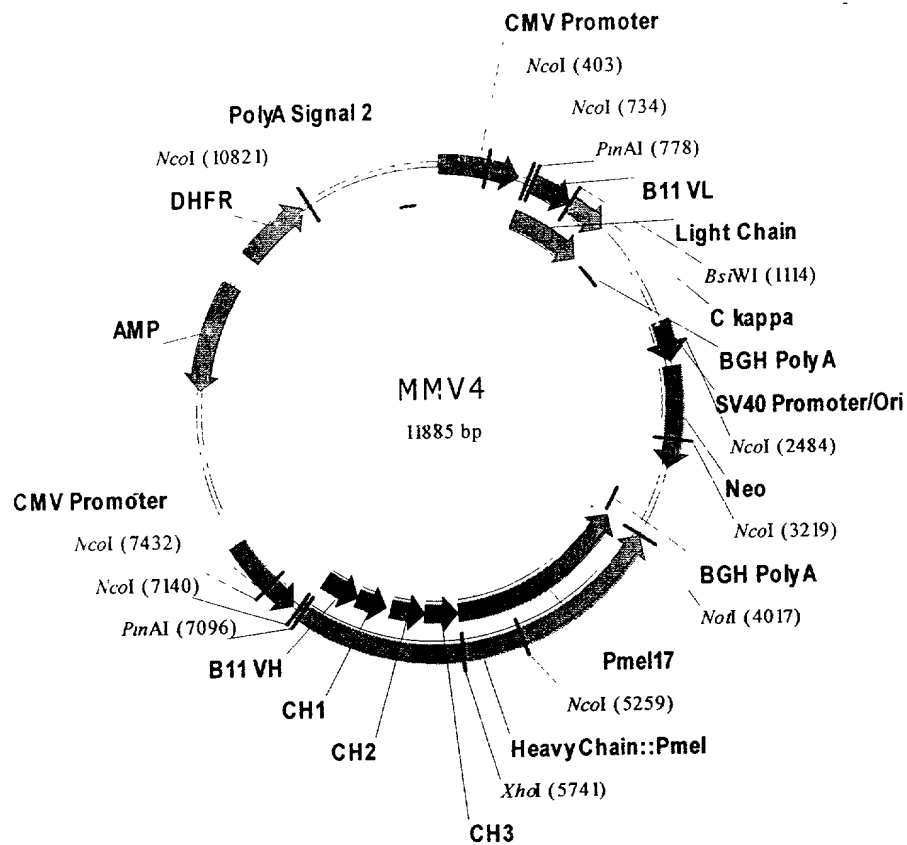


FIGURE 14